FOREWORD TO TECHNICAL PROVISIONS

Sections 10 through 1501 of these Standard Specifications (Technical Provisions) incorporate by reference the following: (1) in Sections 10 through 95 the January 1988 State of California, Department of Transportation (Caltrans) Standard Specifications; and (2) in Sections 1207 through 1501 the 1991 Edition of the APWA Standard Specifications for Public Works Construction (Green Book). The Caltrans Standard Specifications and the Green Book are modified and supplemented as necessary to make them conform to City standards and practices. It is the duty of each bidder to determine for itself the difference between these specifications and the Caltrans Standard Specifications or the Green Book.

The section numbers, titles and general content of these City Standard Specifications beginning with Section 10 through Section 95 follow the Caltrans Standard Specifications with two added series of complete sections covering water systems (Sections 101 through 104) and drainage and sewer systems (Sections 1207

through 1501).

Wherever references are made in Sections 10 through 95 of the Caltrans Standard Specifications to any provisions in Sections 1 through 9 of the Caltrans Standard Specifications, or references made in the Green Book to any provisions in Sections 1 through 9 of the Green Book, such references shall apply to the appropriate corresponding provisions in these City Standard Specifications and not the Caltrans Standard Specifications or the Green Book. Wherever, throughout Sections 10 through 95 of the Caltrans Standard Specifications, and the context so requires, terms such as: "State" shall mean "City"; "Director of Transportation" shall mean "Director of Public Works," and other terms shall be converted to their proper meaning as defined in Section 1 of these City Standard Specifications.

DUST CONTROL SECTION 10

SECTION 10

DUST CONTROL

Dust control shall conform to Section 10 of the Caltrans Standard Specifications and these City Standard Specifications.

10-1.01 Description. - Unless otherwise specified, the Contractor shall use non-potable water for dust control.

Whenever the Contractor is negligent in providing dust control, the Engineer will order the Contractor to provide dust control. If the Contractor does not immediately comply with the order, the Engineer has the authority to suspend all or part of the work for as long as deemed necessary until the Contractor provides dust control to the Engineer's satisfaction. The City may provide dust control and charge the Contractor by deducting the cost from any partial payments to the Contractor as costs incurred by the City.

10-1.04 Payment. - Delete the second paragraph of Section 10-1.04 of the Caltrans Standard Specifications.

MOBILIZATION SECTION 11

SECTION 11

MOBILIZATION

Mobilization shall conform to Section 11 of the Caltrans Standard Specifications.

SECTION 12

CONSTRUCTION AREA TRAFFIC CONTROL DEVICES

Construction area traffic control devices shall conform to Section 12 of the Caltrans Standard Specifications and these City Standard Specifications.

12-1 GENERAL

12-1.02 Traffic Control Public Convenience. - After the surface of onehalf of the roadbed has been brought to a smooth and even condition for the passage of public traffic as provided above, traffic shall be diverted, and work commenced on the opposite side of the roadbed. After subgrade preparation for a specified layer of material has been completed, the Contractor shall, at his expense, repair any damage to the roadbed or completed subgrade, including damage caused by his operations or use by public traffic.

At locations where traffic is being routed through construction under oneway controls and when ordered by the Engineer, the movement of the Contractor's equipment from one portion of the work to another shall be governed in accordance with such one-way controls.

Whenever a section of surfacing, pavement, or the deck of a structure has been completed, the Contractor shall open it to use by public traffic if the Engineer so orders or may open it to use by public traffic if the Engineer so consents. In either case, the Contractor will not be allowed any compensation due to any delay, hindrance, or inconvenience to his operations caused by such public traffic, but will thereupon be relieved of responsibility for damage to the work caused by public traffic, within the limits of such use. The Contractor will not be relieved of any other responsibility under the contract nor will he be relieved of cleanup and finishing operations.

Water or dust palliative shall be applied for the alleviation or prevention

of dust nuisance as provided in Section 10, "Dust Control."

Except as otherwise provided in the special provisions, full compensation for conforming to the requirements in this section shall be considered as included in the prices paid for the various contract items of work and no additional compensation will be made.

The Contractor may install "Tow-Away" or "No Parking, No Stopping" signs in critical areas to provide traffic lanes or project work areas. Prohibition of stopping/parking or the installation of tow-away signs will require the approval of the Engineer and the issuance of a permit from the Streets and Traffic Dept. The Contractor shall notify the Engineer 48 hours in advance of the work for approval. After approval of the stopping/parking restriction or tow-away signs, the Contractor shall furnish and place approved "NO STOPPING" or "NO PARKING" signs where So that the stopping, parking or tow-away zone prohibition will be effective and enforceable, the messages on the signs shall include the dates and times of the required prohibition. Article 22652 of the California State Vehicle Codes requires a sign to be in place 24 hours before it becomes legally enforceable.

Vehicular travel over backfilled but unpaved trenches and other excavation will not be allowed unless a temporary wearing surface of at least 2 inches of plant mix asphalt over 6 inches of aggregate base is provided or traffic plates of sufficient width are set upon the trench and AC cutback shall be placed around the edges of the steel plate. In sidewalk areas, 1-1/8 inch plywood may be substituted. When pavement is broken prior to trench excavation in a lane to be left open to traffic, the broken pavement fragments must be removed and replaced with a temporary wearing surface.

The Contractor shall leave the project site in a safe, neat, clean, and

presentable state at the close of every work day.

No equipment shall be allowed to be parked within any traffic lanes or medians after work hours.

The Contractor shall notify City of San Jose Communications 48 hours in advance of any detours and street closures, (408) 277-4311.

If construction will obstruct a bus stop, the Contractor shall notify Santa

Clara County Transit 48 hours in advance at (408) 299-4384.

On streets with one traffic lane in each direction, the Contractor shall maintain one 14-foot lane for two-way operation. Two flaggers shall be required. On streets with two or more traffic lanes in each direction, the Contractor shall reduce traffic by one lane only in each direction. On one-way streets, the Contractor shall reduce traffic by one lane only.

The Contractor shall provide electric arrow board(s) for lane reductions. All traffic lane diversions and separations shall be delineated with Type I barricades, 28-inch traffic cones, or 37-inch delineators with two white reflective bands spaced 25 feet on center. The tapered transition length shall be 125 feet minimum. Post "KEEP RIGHT" or "KEEP LEFT" signs or Type II barricades at the beginning of each diversion or separation.

The Contractor shall be responsible for informing the public of traffic conditions existing within the construction area at all times by placement of

warning and advisory signs.

The Contractor shall not work within two adjacent intersections at the same time.

The Contractor shall not close two adjacent streets at the same time.

12-1.03 Traffic Control Public Safety. - Whenever work is being performed adjacent to a lane carrying traffic, the edge of lane or pavement shall be delineated by placing temporary portable delineators adjacent thereto in accordance

with the provisions in Section 12-3.04, "Portable Delineators."

The Contractor shall not block the movement of pedestrian traffic. Where necessary, the Contractor shall provide for movement by phasing his operations, by providing 4-foot wide temporary bridges across trenches or establishing 4-foot wide passageways in the parkway or street area as applicable. Each bridge or passageway shall be bordered with safe railings or barricades, which shall be lighted at night and with non-slip walking surface, and which shall remain in place until all work at the particular location has been completed and the sidewalk, walk or crosswalk has been opened to the safe transit of pedestrian traffic. On barricades which direct pedestrians around the work site or to crosswalks not closed, the Contractor shall post, where directed by the Engineer, informational signs directing pedestrians. Railings or barricades which border passageways located in roadway areas shall be reflectorized on the side facing oncoming traffic.

Traffic signals shall not be shut down or put into a flashing mode unless approved by the City. When traffic signal shut down is permitted by City, Contractor shall notify the Engineer and San Jose Communication Center at least

5 working days prior to shut down.

The operation of any existing traffic signal shall not be disturbed before 9:00 a.m. and shall be returned to normal operation before 4:00 p.m. of the same day.

The Contractor shall restrict traffic lanes from 8:15 a.m. to 4:15 p.m. only. Whenever a lane closure is made, the Contractor shall close the lane by placing fluorescent traffic cones, portable delineators, or other devices approved by the Engineer, along a taper and along the edge of the closed lane adjacent to public traffic. An arrowboard should be placed adjacent to the first cone of the taper, as shown on the State Typical Plans T-10 and T-11. Advanced warning signs should be placed prior to the taper (this distance should be in relationship to the speed of traffic and conditions of the road).

Fluorescent traffic cones shall be of good commercial quality, flexible material suitable for the purpose intended. The outer section of the portion above the base of the cone shall be a highly pigmented fluorescent orange polyvinyl compound. The overall height of the cone shall be at least 28 inches. The base shall be of sufficient weight and size or shall be anchored in a manner such that the traffic cone will remain in an upright position.

If the traffic cones or portable delineators are damaged, displaced or are not in an upright position, from any cause, cones or portable delineators shall immediately be replaced or restored to their original location, in an upright position, by the Contractor.

Telescoping flag trees shall be of good commercial quality material, suitable for the purpose intended and shall be capable of maintaining an upright position at all times while in use.

The fluorescent traffic cones or portable delineators shall be placed at intervals as directed by the Engineer, or as shown in the "Manual of Traffic Controls for Construction and Maintenance of Work Zones."

If the work requires that fluorescent traffic cones or portable delineators be placed in the lane open to public traffic, cones or portable delineators shall be placed on a 1-1/2 foot width of the lane open to traffic along the side adjacent to the lane to be closed.

Traffic cones or portable delineators, telescoping flag trees with flags, arrowboards and signs shall be placed before beginning work each day and shall be removed from the work site at the end of each working day.

Upon completion of all work requiring lane closure, traffic cones and telescoping flag trees and construction signs shall be removed from the work site.

If material from the trench excavation spills onto the roadway, the roadway area shall be swept and washed with water to provide a safe and dust free surface before the lane is reopened.

Full compensation for furnishing, placing, maintaining and removing the traffic cones and telescoping flag trees with flags required for lane closure, and for moving and placing signs shall be considered as included in the contract prices paid for the items of work requiring the lane closure and no separate payment will be made therefor.

The provisions for lane closure in this Section will in no way relieve the Contractor from his responsibility to provide devices or measures necessary to comply with Section 7-1.09, "Public Safety."

On projects such as rechannelization and street widening work where changes in traffic patterns require either relocation, removal or installation of permanent regulatory traffic control and other signs, the Contractor shall relocate,

remove or install signs and standards where and as specifically shown on the plans, or where directed by the Engineer.

For all existing permanent traffic controls signs which are to be removed and not relocated, the Contractor shall remove the signs, all hardware and the standards. The Contractor shall deliver the above items to a designated City Corporation Yard. Any signs, standards or hardware damaged by the Contractor through negligence shall be replaced by the Contractor.

The temporary relocation of each "STOP" or other traffic regulatory sign shall be done immediately upon its removal, and to a location as close as possible

to the original position of sign or as directed by the Engineer.

Any excavation permitted to be left open shall be barricaded with Type II and Type III barricades with flashers. "OPEN TRENCH" signs shall be posted at 30 feet off center. A minimum of 15 Type III barricades shall be available for diverting traffic and barricading trenches. See Caltrans Standard Details "Securing Open Trench "A" or "B" for K-railing and Chain Link Fencing."

All open excavated areas shall be barricaded with at least 2 Type III barricades at the end of the excavation that faces oncoming traffic. The longitudinal edge of pavement excavation shall be delineated with Type II barricades spaced 25 feet on center. Attach "OPEN TRENCH" signs to barricades

200 feet on center.

12-1.04 Traffic Control Responsibility. - The Contractor shall provide and maintain all traffic control and safety items. The Contractor assumes sole and complete responsibility for the job and site conditions during the course of construction, including safety of all persons and property. This requirement shall apply continuously 24 hours/day and shall not be limited to normal work hours.

All personnel occupying the roadway or median shall be required to wear

approved safety vests with protective coloration.

12-2 FLAGGING

12-2.01 Flaggers. - Flag personnel shall be used where necessary to control the flow of traffic through the construction site and shall be used in all cases where traffic is being routed through the construction under one-way control, and when ordered by the Engineer.

12-2.02 Flagging Costs. - Delete the first paragraph of Section 12-2.02

of the Caltrans Standard Specifications.

The cost of furnishing all flaggers, including transporting flaggers to provide for passage of public traffic through the work in accordance with the provisions of Section 7-1.08, "Public Convenience" and 7-1.09, "Public Safety" shall be borne by the Contractor.

12-3 TRAFFIC - HANDLING EQUIPMENT AND DEVICES

- 12-3.02 Barricades. Delete the first paragraph of Section 12-3.02 of the Caltrans Standard Specifications.
- 12-3.02A Types. Barricades are designated by type according to function and physical characteristics. Type I, II and III barricades are portable construction barricades and the Type IV barricade is intended for permanent installation. Type

I, II and III barricades shall conform to the provisions, details and dimensions as specified in Caltrans, "Manual of Traffic Controls for Construction and Maintenance of Work Zones." Type IV barricades shall conform to the plan dimensions and the provisions as specified herein.

12-3.02B Materials

12-3.02B(1) - Materials for Type I, II and III barricades shall conform to provisions of the Caltrans manual referenced above.

12-3.02B(2) - Type IV barricades shall be constructed of materials as specified herein.

Posts shall be 4 inch by 4 inch, nominal size, highway post grade redwood or No. 2 heart structural grade redwood (1000f).

Rails shall be 2 inch by 6 inch, nominal size light framing construction

grade Douglas fir, free of heart center.

Object markers for mounting on each post between the rails shall be red reflectorized sheeting, tape or plates, (3 inch by 5 inch minimum size). Where called for on the plans, object markers shall be Type M markers (9-spot) conforming to the provisions of the Caltrans "Traffic Manual."

Paint for posts and rails shall consist of a minimum of one coat of wood primer and 2 coats of white exterior enamel, conforming to the provisions of

Section 91, "Paint."

- 12-3.02B(3) Barricade warning lights shall conform to the provisions as specified in the Manual as referenced above. Unless otherwise specified in the special provisions, Type A Barricade Warning Lights (flashers) shall be used.
- 12-3.02B(4) The Contractor shall establish the necessary quality control to assure compliance with these specifications. No Certificate of Compliance, as such, will be required for Type IV barricades. Certificate of Compliance may be required for Type I, II and III barricades for warning lights to assure compliance with these specifications.

12-3.02C Installation

12-3.02C(1) Construction Barricades. - Construction barricades of the type specified in the special provisions shall be furnished and set at locations as the Engineer may direct. The barricades shall be maintained for as long as necessary and shall be checked for their position location at the close of each day's activity and more often as necessary.

The batteries of warning lights shall be maintained at a high rate of charge at all times.

12-3.02C(2) Permanent Barricades. - The posts of the barricade shall be placed in holes excavated to the required depth as shown on the plans. The space around the posts shall be backfilled with selected earth free of deleterious material, and tamped solid. Wood wedges may be used to plumb posts prior to backfilling voids. Wood posts of barricades shall not be embedded in concrete.

Rails shall be attached to posts with 16d galvanized nails, before or after

setting posts in the ground.

SECTION 12 CONSTRUCTION AREA TRAFFIC CONTROL DEVICES

All exposed wood surfaces shall be given one application of wood primer and 2 coats of white exterior enamel paint. After painting, the object markers shall be attached to each post as shown on the plan details.

12-3.04 Portable Delineators. - If the portable delineators are damaged, from any cause, delineators shall immediately be replaced in an upright position by the Contractor.

When work is in progress in a trench or other excavation adjacent to the traveled way, the portable delineators shall be placed on the edge of pavement. At other times, the portable delineators shall be placed off of and adjacent to the edge of pavement.

The portable delineators shall be spaced as necessary for proper delineation.

When no longer required for delineation, the portable delineators shall be removed from the work site.

12-4 MEASUREMENT AND PAYMENT

12-4.01 Measurement and Payment. - When the Engineer's Estimate includes a contract item for Type I, II, III, and IV barricades, the barricades will be measured as units of actual count of the number of barricades ordered by the Engineer. After initial placement of Type I, II, and III barricades, and if ordered by the Engineer, the barricades shall be moved from location to location and the cost thereof will be paid for as extra work as provided in Section 4-1.03D. The contract unit price paid for Type I, II, and III barricade shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in the furnishing, placing, maintaining, repairing, replacing and removing the barricades, as shown on the plans, as specified in these specifications and the special provisions, and as directed by the Engineer.

SECTION 15

EXISTING FACILITIES

Existing facilities shall conform to Section 15 of the Caltrans Standard Specifications and these City Standard Specifications.

15-1.01 Description. - Facilities subject to the provisions of this section shall include any existing facilities which interfere with planned construction as identified in the project plans or special provisions. The removal of existing utilities required to permit orderly progress of work shall be accomplished by the utility company concerned, unless otherwise shown on the plans.

15-2 MISCELLANEOUS HIGHWAY FACILITIES

- 15-2.02A Obliterating Roads and Detours. Traffic control devices, such as, but not restricted to, guidance, regulatory and warning signs and barricades used for the purpose of detouring traffic, shall be removed as directed by the Engineer.
- 15-2.02B Traffic Stripes and Pavement Markings. Painting out traffic lines and markings with black traffic line paint will only be allowed, in rare instances, where the existing pavement will be resurfaced with asphalt concrete.

Temporary detour traffic stripes and pavement markings installed on permanent pavement surfaces outside the limits of the construction site shall be removed by sandblasting as directed by the Engineer.

15-2.02E Drainage and Sewer Facilities. - Existing manholes, catch basins, and other sewerage or drainage structures shown on the plans to be removed shall be removed completely, including foundation.

Existing sanitary or storm sewers, manholes, catch basins and other sewerage or drainage structures which have been or are to be abandoned, and which lie within a trench or other structure excavation, shall be removed from within the limits of required excavation necessary for the work.

Sanitary sewers, storm sewers, sewer laterals and other culverts to be abandoned, but not required to be removed, shall be thoroughly sealed at all open ends, and at the structures in which they terminate as applicable. The open ends shall be sealed with brick or concrete rubble, and mortar.

In addition to sealing open ends as specified above, and when specifically required, all sewer mains, upon abandonment shall be filled with a slurry sand/cement grout or blown sand. Facilities to be filled shall be sealed at the downstream end, filled with the approved mixture, and sealed at the upstream end.

The bottom of abandoned structures shall be perforated or broken to prevent the entrapment of water.

- 15-2.02F Fences and Gates. All fence material and gates to be salvaged or relocated shall be removed with care to prevent any damage to the material. All adhering concrete footings shall be removed from fence posts and braces which are to be salvaged or relocated.
 - 15-2.02G Concrete Pavement. Asphalt or Portland cement concrete

pavements shall be removed to clean straight lines. If, in the opinion of the Engineer, the edges are ragged, raised or otherwise unsatisfactory, saw cutting will be required. Where concrete pavement adjoins a trench, the edges adjacent to the trench shall be trimmed to neat straight lines before resurfacing of the trench.

15-2.05A Frames, Covers, Grates, and Manholes. - Delete the 5th, 6th, 7th and 8th paragraph of Section 15-2.05A of the Caltrans Standard Specifications. Throat grade rings may be used to raise manhole frame castings to a maximum of 18 inches from top of cone to bottom of castings. If height is greater than 18 inches, for raising castings, then the cone shall be removed and manhole rebuilt accordingly.

When frames, covers, grates of existing manholes, inlets or other facilities are removed, a traffic rated plate shall be placed over the opening. The traffic plate shall be of a design that the possibility of dislodgement is non-existent. The required use of a traffic plate will be waived if the work of raising frames, covers

or grates is accomplished the same day.

The Contractor shall exercise care in removing manhole covers and frames and install cover plates for manhole to preclude the possibility of any rubble or debris from entering the sewer pipe. Should any rubble or debris fall into the manhole, the manhole shall be immediately cleaned of any and all rubble and debris. At the discretion of the Engineer, the sewer main shall be flushed and cleaned downstream from the point of entry of any rubble and debris, in accordance with the provisions of Section 1308. The cost of flushing and cleaning of sewer mains as a result of rubble and debris entering into the mains shall be the sole responsibility of the Contractor and no additional compensation will be provided. Should the Contractor fail to flush and clean the sewer main, the Engineer shall order the work done by others and deduct the cost from any monies due the Contractor.

If the manhole cover is unstable under traffic, the manhole ring and cover shall be removed and replaced with a stable ring and cover.

- 15-2.05F Sanitary Sewer Laterals. Sanitary sewer laterals encountered in the work that obstructs or otherwise interferes with other planned improvements shall be adjusted or relocated in accordance with appropriate provisions of these specifications.
- 15-2.07 Payment. The cost of removal of detour traffic control devices shall be considered as included in the prices paid for the various contract items of work and no separate payment will be made therefor.

15-3 REMOVING CONCRETE

15-3.02 Removal Methods. - Concrete facilities shall be removed to neatly sawed edges with saw cuts made to a minimum depth of 1-1/2 inches. Concrete sidewalk or driveway aprons to be removed shall be neatly sawed in straight lines either parallel to the curb or at right angles to the alignment of the sidewalk as required. No section of sidewalk or driveway apron to be replaced shall be smaller than score line to score line in either length or width or, as directed by the Engineer. Curb and gutter shall be sawed to a minimum depth of 1-1/2 inches on a neat line at right angles to the curb face. No section of curb and gutter to be replaced shall be smaller than five feet in length. If the saw cut in curb and

gutter falls within five feet of a construction joint or expansion joint, the concrete shall be removed to that joint.

Isolated concrete, where designated, shall be interpreted to mean: concrete facilities to be removed in areas outside the area that would normally be designated to be cleared, or such miscellaneous concrete facilities whose removal is required for those projects where cleaning, grubbing and removal of obstructions are included in other items of work.

The removal of subterranean facilities shall be as specified in Section 15-5.

15-5 SUBTERRANEAN FACILITIES

15-5.01 Description. - This work shall consist of removing and/or sealing and abandonment of existing subterranean facilities, including basements, septic tanks, cess pools, and wells. The type and general dimensions of such facilities to be removed, sealed, and/or abandoned will be shown on the project plans or described in the special provisions.

15-5.02A Removal of Basements, Septic Tanks, and Cess Pools. - When in the course of clearing, grubbing and removing of obstructions to the work, or, if designated on the plans or specified in the special provisions, basements, septic tanks or cess pools of any type, size or depth, are shown or encountered, they shall be removed in their entirety, with the following exception: cess pools 8 feet or greater in depth may be backfilled with approved materials and thoroughly jetted with water containing an approved wetting agent. The top of the cess pool shall be removed 2 feet below the grading plane or 3 feet below existing finished grade.

Floors of basements of any description shall be removed entirely to native soil. All rubble from basement removal shall be disposed of off the project.

All abandoned sewer laterals encountered shall be removed as described below:

- 1) Sewer laterals 2 feet or more below grading plane shall be sealed in accordance with the provisions of Section 15-2.02E, "Drainage and Sewer Facilities."
- Sewer laterals in or above the grading plane shall be removed completely to a point where lateral is a minimum of 2 feet below grading plane and the ends of the lateral to remain shall be sealed as described above.

All area depressions resulting from removal of basements, septic tanks and cess pools shall be backfilled with approved native material and compacted to a relative density of not less than 90 percent.

Payment for basement, septic tank or cess pool removal and/or backfill shall be included in the price paid for clearing and grubbing, if such basement, septic tank or cess pool are shown on the plans or specified in the special provisions. If not shown on the plans or specified in the special provisions and encountered in the work, payment for basement, septic tank or cess pool removal and/or backfill will be paid for as extra work according to the provisions of Section 4-1.03D, "Extra Work."

15-5.02B Sealing and Abandonment of Wells. - The work of sealing and abandoning wells shall be in accordance with the "Standards for the Sealing of

Abandoned Wells Santa Clara County," adopted by Santa Clara Valley Water District, such provisions will be specified in the special provisions. Payment for sealing and abandoning of wells will be made per each well so sealed and abandoned as shown on the plans or specified in the special provisions. If not shown on the plans or specified in the special provisions and encountered in the work, payment for sealing and abandoning wells will be paid for as extra work according to the provisions of Section 4-1.03D, "Extra Work."

15-5.03 Payment. - Removal of subterranean facilities will be paid for at a lump sum price. The pay item will include removal of all such facilities encountered within the project boundaries in accordance with the provisions of these specifications except where otherwise specified. Where the Engineer's Estimate designates that payment will be made for the removal or abandonment of specific items on a unit basis, measurement will be made by the unit so designated.

Sealing and abandonment of wells will be paid for at the contract unit price per each.

The above prices paid shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved for the item or items as shown on the plans and as specified in these specifications, and as directed by the Engineer, including the disposal of all resulting material removed or encountered.

When the contract does not include a separate pay item for removal of subterranean facilities as specified above, and unless otherwise provided for in the special provisions, full compensation for any necessary removal of such facilities required to perform the construction operations specified shall be considered as included in the price bid for other items of work and no additional compensation will be allowed therefor.